IN THE CLAIMS:

Please amend claims 12, 16 through 18, and 20 as follows:

1. (ORIGINAL) A phase-change cooling system for a vehicle comprising:
 an electronic control device for receiving power from a power source and having a
first temperature; and

a condenser of an air conditioning system of the vehicle thermally communicating with said electronic control device and having a second temperature less than the first temperature to remove heat from said electronic control device due to a phase-change of coolant in said condenser.

- 2. (ORIGINAL) A phase-change cooling system as set forth in claim 1 wherein said electronic control device comprises a housing and at least one electronic switch disposed within said housing.
- 3. (ORIGINAL) A phase-change cooling system as set forth in claim 2 wherein said housing is made of a conductive metal material.
- 4. (ORIGINAL) A phase-change cooling system as set forth in claim 2 wherein said at least one electronic switch is of a semiconductor type.
- 5. (ORIGINAL) A phase-change cooling system as set forth in claim 2 wherein said condenser includes a thermal interface between said housing and the coolant.

- 6. (ORIGINAL) A phase-change cooling system as set forth in claim 5 wherein said thermal interface is made of a conductive metal material.
- 7. (ORIGINAL) A phase-change cooling system as set forth in claim 1 wherein said condenser has a coolant disposed therein.
- 8. (ORIGINAL) A phase-change cooling system as set forth in claim 7 wherein said coolant has a liquid phase and a vapor phase.
- 9. (ORIGINAL) A phase-change cooling system as set forth in claim 8 wherein said condenser has a lower portion and an upper portion.
- 10. (ORIGINAL) A phase-change cooling system as set forth in claim 9 wherein said lower portion has a liquid coolant disposed therein.
- 11. (ORIGINAL) A phase-change cooling system as set forth in claim 9 wherein said upper portion has a vapor coolant disposed therein.
- 12. (CURRENTLY AMENDED) A phase-change cooling system for a vehicle comprising:

a power source;

an electronic control device for receiving power from said power source and having a first temperature; and

a condenser of an air conditioning system of the vehicle thermally communicating with having a thermal interface contacting said electronic control device and having a second temperature less than the first temperature to remove heat from said electronic control device due to a phase-change of coolant in said condenser.

- 13. (ORIGINAL) A phase-change cooling system as set forth in claim 12 wherein said electronic control device comprises a housing and at least one electronic switch disposed within said housing.
- 14. (ORIGINAL) A phase-change cooling system as set forth in claim 13 wherein said housing is made of a conductive metal material.
- 15. (ORIGINAL) A phase-change cooling system as set forth in claim 13 wherein said at least one electronic switch is of a semiconductor type.
- 16. (CURRENTLY AMENDED) A phase-change cooling system as set forth in claim 13 wherein said condenser includes a thermal interface is disposed between said housing and the coolant.
- 17. (CURRENTLY AMENDED) A phase-change cooling system as set forth in claim 16 12 wherein said thermal interface is made of a conductive metal material.

- 18. (CURRENTLY AMENDED) A phase-change cooling system as set forth in claim 16 12 wherein said thermal interface is located on a lower portion of said condenser.
- 19. (ORIGINAL) A phase-change cooling system as set forth in claim 12 including a coolant disposed in said condenser having a liquid phase and a vapor phase.
 - 20. (CURRENTLY AMENDED) A vehicle comprising: a power source;

at least one electric power cable having one end connected to said power source;
an electronic control device connected to another end of said at least one electric
power cable for receiving power from said power source and having a first temperature, said
electronic control device comprising a housing and at least one electronic switch disposed within
said housing; and

a condenser of an air conditioning system of said vehicle having a coolant disposed therein and a thermal interface between located on a lower portion of said condenser and contacting said housing and said coolant to thermally communicate with of said electronic control device, said condenser having a second temperature less than the first temperature to remove heat from said electronic control device due to a phase-change of said coolant in said condenser.